

New claims

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1. Method for determining deviations of an end-system message (17) of modular structure generated in a hierarchically-structured end system of a telecommunications device by comparison with a reference message (7) with the following procedural stages:

- reading in of a reference message (7),
- reading in of an end-system message (17) generated in the end system,
- implementation of a message-structure analysis of the reference message (7),
- implementation of a message-structure analysis of the generated end-system message (17),
- determination of deviations of the end-system message (17) from the reference message (7) with regard to the structure and the values for parameters of structural units, and
- presentation of structural units (23, 24, 24.1_{END}, 24.1.1_{END}, 28) deviating from the reference message (7) indicating the values of the parameters of the respective structural units of the end-system message (17) generated in the end system.

2. Method according to claim 1,

characterised in that

identical structural units (29, 30) of the reference message (7) and of the end-system message (17) generated in the end system are additionally presented, wherein the structural units (23, 24, 24.1_{END}, 24.1.1_{END}, 28) of the end-system message (17) deviating from the reference message (7) are

presented in a manner graphically distinguishable from the identical structural units (29, 30).

3. Method according to claim 1 or 2,

5 **characterised in that**

structural units (24.1_{REF}, 24.1.1_{REF}, 24.1.1.1_{REF}, 24.1.1.2_{REF}, 24.1.1.3_{REF}) only present in the reference message (7) are additionally presented in a manner graphically distinguishable from the other structural units.

4. Method according to any one of claims 1 to 3,

characterised in that

15 structural units (24.1_{END}, 24.1.1_{END}) only present in the generated end-system message (17) are presented in a manner graphically distinguishable from the other structural units.

5. Method according to any one of claims 1 to 4,

20 **characterised in that**

the structural units (23, 24, 24.1_{END}, 24.1.1_{END}, 24.1_{REF}, 24.1.1_{REF}, 24.1.1.1_{REF}, 24.1.1.2_{REF}, 24.1.1.3_{REF}, 27, 29, 30) at least of the end-system message (17) are presented in a manner corresponding to the modular construction.

6. Method according to any one of claims 1 to 5,

characterised in that

30 the presentation is provided in a first region (20) of a screen display.

7. Method according to any one of claims 1 to 6,

characterised in that

the structural units (23, 24, 24.1_{END}, 24.1.1_{END}, 27, 29, 30) of the end-system message (17) are presented in a second region (21) with an indication of detailed information regarding the data stream of the end-system message (17), wherein the structural units (23, 24, 24.1_{END}, 24.1.1_{END}, 27) deviating from the reference message (7) are presented in a manner distinguishable from the other structural units of the second region (21).

8. Method according to any one of claims 1 to 7,

characterised in that

the structural units (23, 24, 24.1_{REF}, 24.1.1_{REF}, 24.1.1.1_{REF}, 24.1.1.2_{REF}, 24.1.1.3_{REF}, 29, 30) of the reference message (7) are presented in a third region (22) with an indication of detailed information of the data stream of the reference message (7), wherein the structural units (23, 24, 24.1_{REF}, 24.1.1_{REF}, 24.1.1.1_{REF}, 24.1.1.2_{REF}, 24.1.1.3_{REF}) deviating from the end-system message (17) are presented in a manner distinguishable from the other structural units of the third region.

9. Digital storage medium with electronically-readable control signals, which can co-operate with a programmable computer or digital signal processor in such a manner that the method according to any one of claims 1 to 8 is implemented.

10. Computer software with program-code means for the implementation of all stages according to any one of claims 1 to 8, when the software is run on a computer or a digital signal processor.

11. Computer software with program-code means, for the implementation of all stages according to any one of claims 1 to 8, when the software is stored on a machine-readable data carrier.

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12. Computer software product with program-code means stored on a machine-readable data carrier, for the implementation of all stages according to any one of claims 1 to 8, when the software is run on a

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computer or a digital signal processor.